



**GAYLORD FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 152 ENTRY YEAR: 2008

Compartment Acreage: 1674 County: Cheboygan

Revision Date: 10/30/2006

Stand Examiner: S. Harig

Legal Description: T34N R3W Sec. 3,10,15

Management Unit Goals: To provide for the protection, integrated management and responsible use of a healthy, productive and undiminished forest resource base for the social, recreational, environmental and economic benefit of the State of Michigan.

Soil and Topography: Predominately Grayling, Rubicon and Cheboygan Loamy Sands. Level to rolling. Soils improve in the southern part of the compartment.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

State ownership is contiguous with some private parcels throughout.

Unique, Natural Features (include only non-site specific and non-sensitive information):

Berry Creek runs through the compartment.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): None known

Special Management Designations or Considerations: Stand 58 was nominated as an SCA.

Watershed and Fisheries Considerations: : Berry Creek, in the Sturgeon River watershed, flows through this compartment. This compartment contains an illegal ORV crossing (ford) through Berry Creek. A portable bridge should be installed for access for any timber sales, but the road should be closed (bermed) after the sale to discourage continued use. Prescribed management activities are appropriate for protection of this waterbody

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of ice-contact outwash sand and gravel and lacustrine (lake) sand and gravel. The glacial drift thickness varies between 100 and 400 feet. The Devonian Traverse Group subcrops below the glacial drift. The Traverse is used for stone and cement products. Gravel pits are located two miles to the south and there is good potential. The nearest oil and gas production, the Antrim Shale gas play, is located 10 miles to the south. There are State leases six miles to the south. The Antrim Shale is missing in this area. There is no known oil and gas potential in the area.

Vehicle Access: Good access. The trail crossing Berry Creek into stand 60 should be bermed.

Survey Needs: None

Recreational Facilities and Opportunities: Snowmobile Trail and ORV Trail run through compartment.

Fire Protection:

Additional Compartment Information:

- **Cover Type details and proposed treatments are listed in the attached reports:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**



Stage 1 Acres Summary By Level 3 Cover Type By Age

Compartment: 52152

Date: 11/3/2006

	0	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	>89	Uneven Age	Grand Total
Aspen Types	0	30.4	91	88.7	13.3	0	29.9	16.4	0	0	0	24.3	294
Emergent Wetland	1.7	0	0	0	0	0	0	0	0	0	0	0	1.7
Herbaceous Openland	56	0	0	0	0	0	0	0	0	0	0	0	56
Low-Density Trees	1.2	0	0	0	0	0	0	0	0	0	0	0	1.2
Lowland Coniferous Forest	0	0	0	0	0	0	22.9	136.6	0	0	0	0	159.5
Lowland Deciduous Forest	0	0	17.6	5.7	25	0	0	16.7	0	0	0	0	65
Lowland Shrub	163.7	0	0	0	0	0	0	0	0	0	0	0	163.7
Mixed Upland Conifers	0	0	0	0	0	0	0	0	0	0	7.4	0	7.4
Mixed Upland Deciduous	0	0	0	0	0	0	0	20.8	0	13.5	9.4	0	43.7
Mixed non-forested wetland	5.1	0	0	0	0	0	0	0	0	0	0	0	5.1
Natural Pines	0	0	0	23.8	42.7	40.1	71.7	7.9	21	107.8	0	0	315
Northern Hardwood	0	0	0	0	0	0	0	168.9	0	24.8	0	0	193.7
Planted Pines	0	0	0	0	0	154.3	10.6	0	0	0	0	0	164.9
Road/Parking Lot	8	0	0	0	0	0	0	0	0	0	0	0	8
Upland Mixed Forest	0	67.8	0	0	0	0	0	20.5	0	0	0	0	88.3
Upland Shrub	42.8	0	0	0	0	0	0	0	0	0	0	0	42.8
Water	63.7	0	0	0	0	0	0	0	0	0	0	0	63.7
Grand Total	342.2	98.2	108.6	118.2	81	194.4	135.1	387.8	21	146.1	16.8	24.3	1673.7

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

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Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 1
10 C152-010	17.3	Planted Red Pine	6	46	0	Systematic Thinning	Intermediate Cut	Planted Red Pine	

Rev
Cmnt:

Rev Row thin. Some marking may be necessary due to some squirely rows.

Spec

Next
Steps:

12 C152-012	7.5	Aspen	6	61	0	Clearcut	Regeneration	Aspen, Mixed Deciduous	
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Rev
Cmnt:

Rev Clearcut. Leave white pine for aesthetics. Most of the white pine is concentrated in the south part of the stand near Wildwood Rd.

Spec

Next Regeneration survey in 5 years. Acceptable regeneration would be aspen, mixed deciduous with white pine.

Steps:

24 C152-024	21.0	Natural Jack Pine	5	71	33	Clearcut	Regeneration	Planted Jack Pine	
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Rev --Shannon Harig : 09/13/2006 comments:

Cmnt:

A large amount of jack pine dead and down.

Rev Clearcut and re-plant to jack pine.

Spec

Next --Shannon Harig : 09/13/2006 comments:

Steps:

AOI to be trenched and hand planted. Oak stump sprouting will be acceptable.

26 C152-026	4.6	Planted Red Pine	6	48	0	Systematic Thinning	Intermediate Cut	Planted Red Pine	
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Rev
Cmnt:

Rev Row thin. Some marking may be necessary due to some squirrely rows.

Spec

Next
Steps:

47 C152-047	20.8	Mixed Upland Deciduous with Conifer	6	66	0	Clearcut	Regeneration	Aspen	
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Rev
Cmnt:

Rev Clearcut. Mark 1 or 2 pine per acre to leave for visuals.

Spec

Next Regeneration survey in 5 years. Included with the aspen, red maple, oak, red and white pine regen would be acceptable.

Steps:

52 C152-052	22.5	Aspen, Mixed Deciduous	9	58	0	Clearcut	Regeneration	Aspen	
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Rev
Cmnt:

Rev Clearcut. Along with aspen, maple, fir and paper birch regeneration would be acceptable. There are a few red oak in the AOI that should be left.

Spec

Next Regen survey in 5 years.

Steps:

**PROPOSED TREATMENTS
NO LIMITING FACTORS**

S t a n d	Treatment Name	Acres	Stage1 CovType	Size Density	1st Age	2nd Age	Treatment Method	Treatment Purpose	Cover Type Objective	Pg. 2
56	C152-056	7.2	Lowland Aspen	6	66	0	Clearcut	Regeneration	Lowland Aspen	

Rev
Cmnt:

Rev Clearcut. A mix of aspen, maple, birch and balsam fir would be acceptable regeneration.

Spec

Next Regen survey in 5 years.

Steps:

60	C152-060	13.0	Natural Red Pine	8	80	0	Clearcut	Regeneration	Planted Red Pine	
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Rev Access will require the use of a portable bridge or permission from adjacent landowner.

Cmnt:

Rev Clearcut. Maintain 1 chain buffer along creek on east side of AOI.

Spec

Next Trench and hand plant red pine. Along with red pine, some aspen and white pine regeneration would be acceptable.

Steps:

63	C152-063	6.7	Aspen	6	66	0	Clearcut	Regeneration	Aspen	
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Rev
Cmnt:

Rev Clearcut.

Spec

Next Regeneration survey in 5 years. Along with aspen, some maple, birch and fir regeneration would be acceptable.

Steps:

77	C152-077	168.9	Sugar Maple Association	9	64	0	Single Tree Selection	Regeneration	Sugar Maple Association	
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Rev SE finger of this stand contains a lot of poor quality multiple stem maple though there are enough good quality crop trees present that will benefit from a release.

Cmnt:

Rev Manage stand with single tree selection method reducing BA to 80 sq. ft. Manage for best tree in place as outlined in "The Complete Marker" Create 1
Spec 30' regen gap per acre. Girdle 1 to 2 trees per acre for future den trees.

Next Regen survey in 5 years. Sugar maple, beech, ironwood, basswood and white ash would all be acceptable regeneration.

Steps:

79	C152-079	24.8	Sugar Maple Association	9	80	0	Single Tree Selection	Regeneration	Sugar Maple Association	
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Rev
Cmnt:

Rev Manage stand with single tree selection method reducing BA to 80 sq. ft. Manage for best tree in place as outlined in "The Complete Marker" Create 1
Spec 30' regen gap per acre. Girdle 1 to 2 trees per acre for future den trees.

Next Regen survey in 5 years. Sugar maple, beech, ironwood, basswood and white ash would all be acceptable regeneration.

Steps:

87	C152-087	15.7	Planted Red Pine	9	46	0	Systematic Thinning	Intermediate Cut	Planted Red Pine	
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Rev Heavy maple understory, mark during leaf off.

Cmnt:

Rev Second entry thinning. Reduce BA to 90-100 sq. ft.

Spec

Next
Steps:

**Total Treatment
Acreage Proposed: 330.1**

**PROPOSED TREATMENTS
WITH LIMITING FACTORS**S
t
a
n
dTreatment
Name

Acres

Stage1
CovTypeSize
Density1st
Age2nd
AgeTreatment
MethodTreatment
PurposeCover Type
ObjectiveFollow Up Activities
After Treatment

Pg. 1

Limiting Factor
and Comment:Rev
Spec:Rev
Cmnt:

**Total Treatment
Acreage Proposed: 0**

Field Map

Compartment 152
 T34N, R3W, Sec. 3, 10, 15
 County: Cheboygan
 Unit: Gaylord
 YOE: 2008
 Acres: 1,674 GIS Calculated
 Stand Examiner: Shannon Harig
 Map Revised: 9/25/2006
 Map Phase: Pre-review

Stocking Density	Definition
1	Sapling low
2	Sapling medium
3	Sapling well
4	Pole timber low
5	Pole timber medium
6	Pole timber well
7	Saw timber low
8	Saw timber medium
9	Saw timber well

Legend

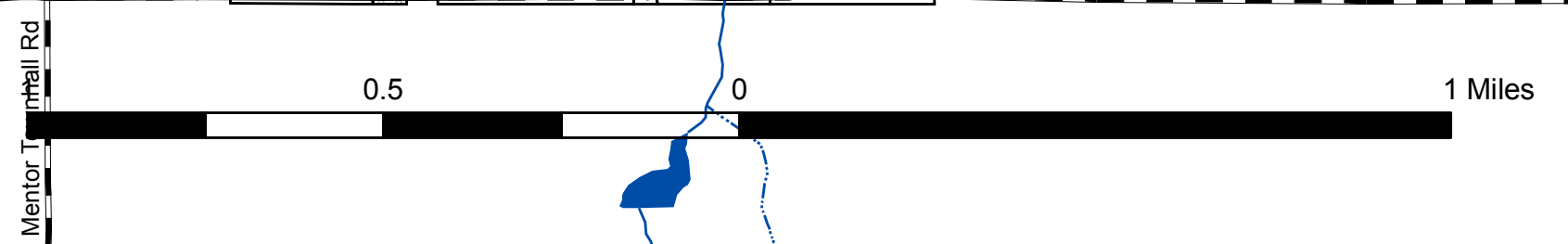
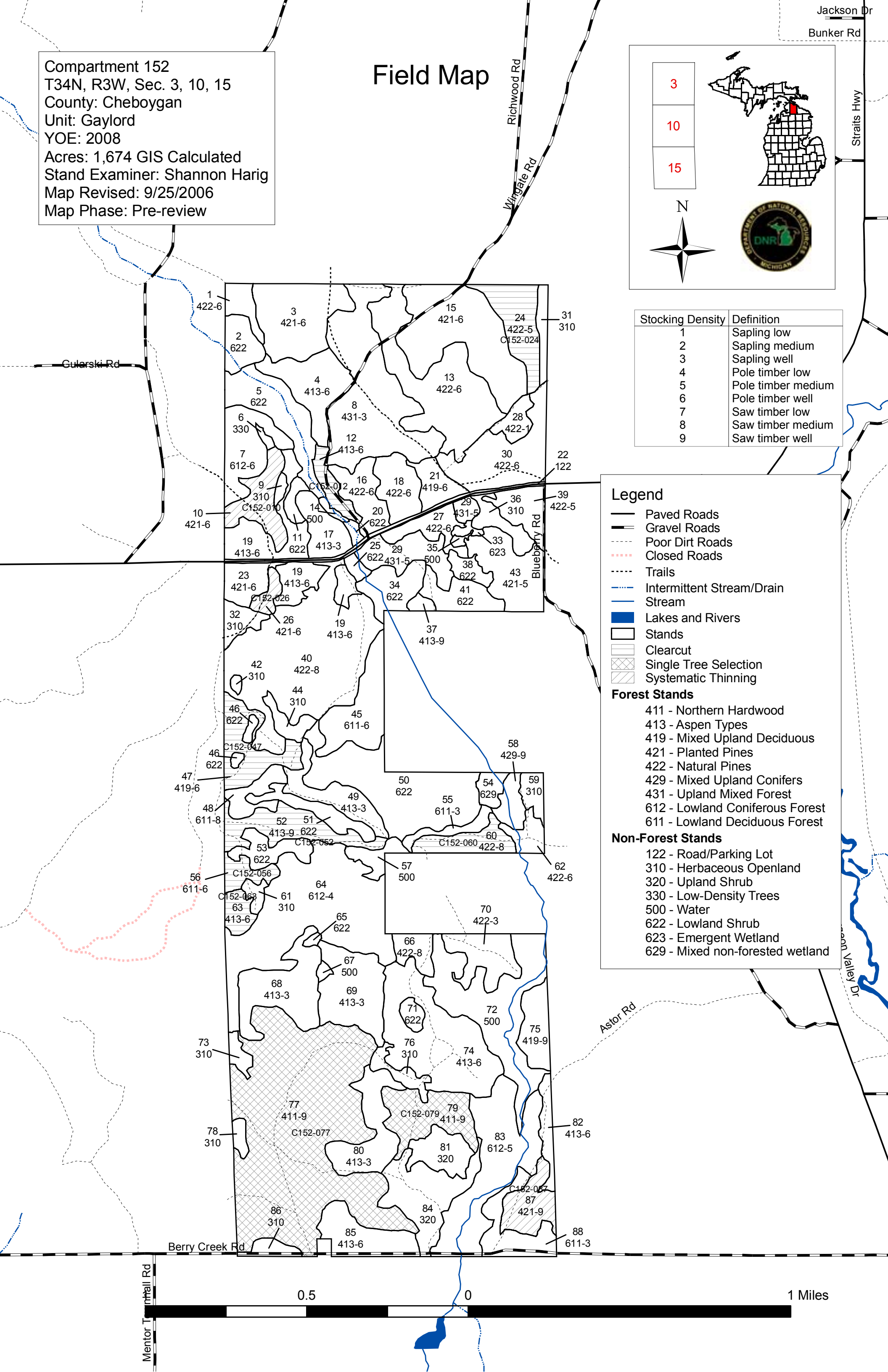
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Trails
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Stands
- Clearcut
- Single Tree Selection
- Systematic Thinning

Forest Stands

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 611 - Lowland Deciduous Forest

Non-Forest Stands

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland



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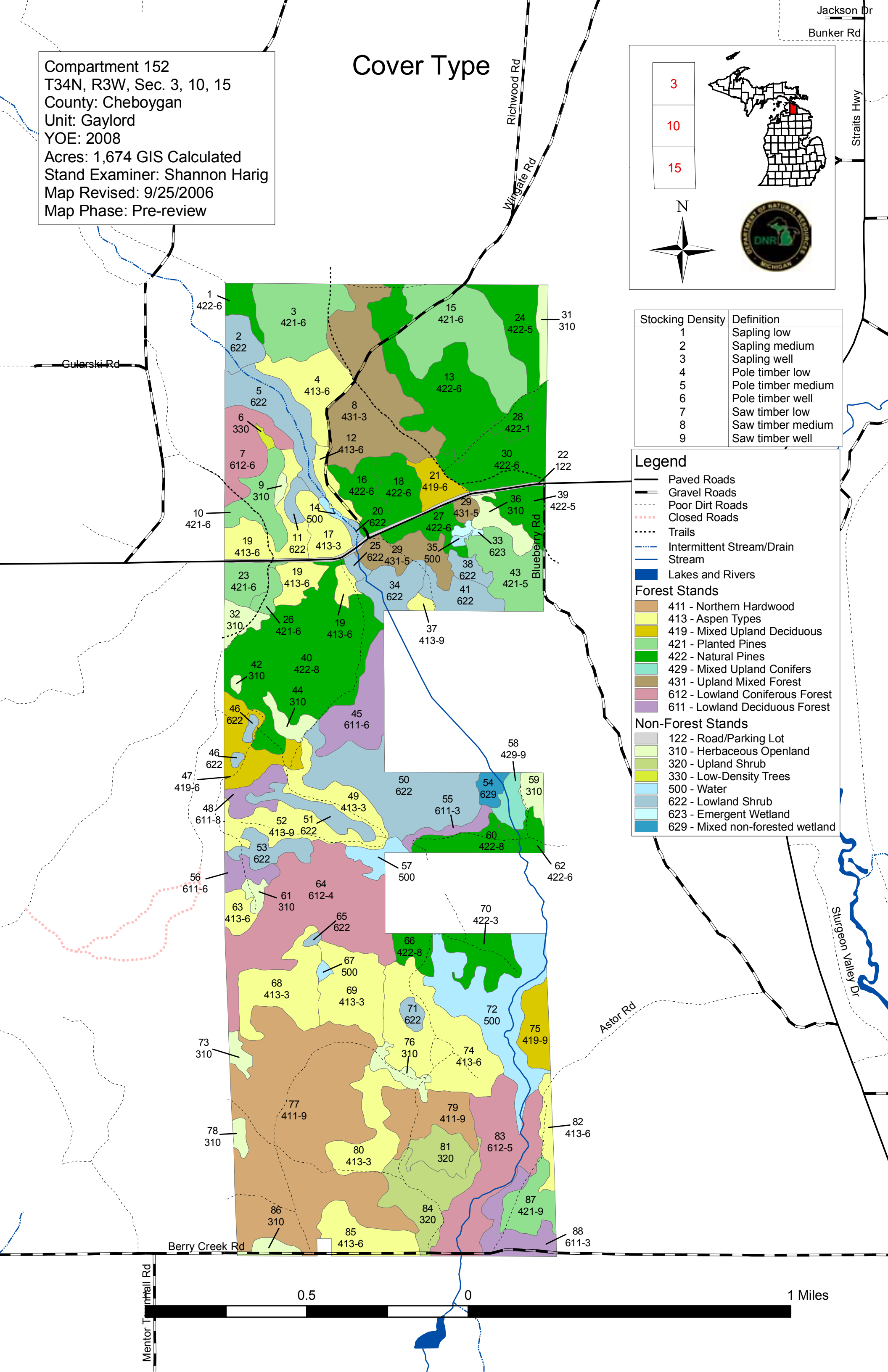
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Mentor T...hall Rd

Jackson Dr
 Bunker Rd
 Straits Hwy

Sturgeon Valley Dr

0.5 0 1 Miles

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Treatment

3
10
15

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